Safety & Occ. Health Program



Great Lakes and Ohio River Division



FY 03 Contractor Accident Experience

Great Lakes & Ohio River Division

3 Serious Accidents

2 Contractor Fatalities

1 Contractor Crane Accident

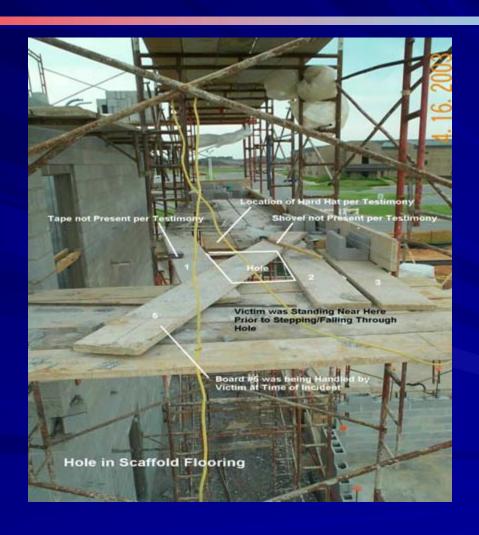


Scaffold Accident





Scaffold Accident





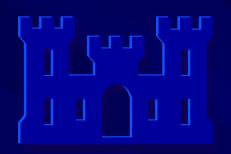
Causes

- Failure to use fall protective equipment.
- Failure to follow hazard analysis
- Failure to provide training on scaffolding
- Inadequate supply of scaffold materials.
- Work schedule rushed.
- Unseasoned supervision.
- Inspections/reports general and not specific to type/location of scaffold.



Recommendations

- Ensure use of fall protection.
- Training on fall protection and scaffolding.
- Work performed under the direction of competent person.
- Strict adherence to hazard analysis.
- Prior to each day's use the scaffold should be inspected, assured safe and inspection documented.



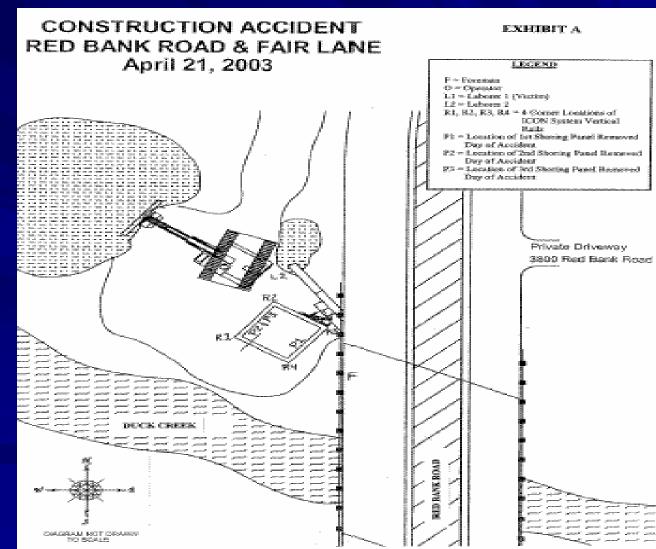
Accident Scene

Shoring System In-place





Site Information



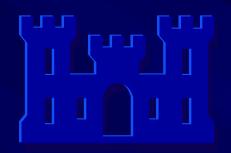


Causes of Accident

Direct Cause: Improper Lifting Technique







Indirect Causes

- Lack of safe clearance.
- Wet/congested work area.
- Inadequate AHA & insufficient review.
- Difficulties installing and removing shoring system in the type soil is inherent with the shoring system.



Crane Accident

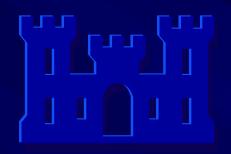


- Original procedure was to use 2 cranes to empty the drilling spoil material.
- Due to proximity of river bank, only 1 crane could be used.
- Lift attempted & Crane overturned



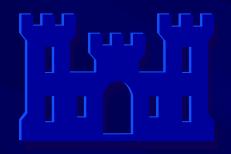
Outcome





Causes

- Exceeded load limits of crane.
- Changed lift procedures without approval of resident engineer
- Load charts were misapplied
- Lifting procedures were not adequately addressed in hazard analysis.



Recommendations

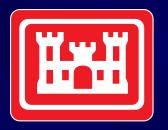
- Modify hazard analysis to adequately address lifting procedures.
- Reinforce significant procedural changes must be approved by Resident Engineer.
- Require refresher training for operators, riggers, & supervisors
- Require magnetic angle indicator for determining list.



What's NeW

EM 385-1-1

Safety and Health Requirements Manual 3 November 2003



What's NeW

10 Hour Rule 12 Hour Rule



What's NeW

12 Hour Rule

≯ 12 hours work / 24 hour period

≮ 8 hours rest / 24 hour period



Questions